

- 11 -

C L A I M S

1. A toothed belt (1), comprising a body (2) and a plurality of teeth (4); said teeth being coated with a fabric (5); said fabric (5) being coated on the outside
5 with a resistant layer (8); said resistant layer (8) comprising a fluorinated plastomer, an elastomeric material and a vulcanizing agent; said fluorinated plastomer being present in said resistant layer (8) in an amount higher than that of said elastomeric material;
10 said toothed belt being characterized in that said fluorinated plastomer is formed mainly by particles of average size smaller than 10 μm , and in that said resistant layer (8) is made to adhere directly to said fabric.
- 15 2. The toothed belt according to Claim 1, characterized in that said fluorinated plastomer is polytetrafluoroethylene.
- 20 3. The toothed belt according to Claim 1 or coated by 2, characterized in that said second elastomeric material comprises HNBR.
- 25 4. The toothed belt according to Claim 3, characterized in that said second elastomeric material comprises HNBR modified with a zinc salt of polymethacrylic acid.
- 30 5. The toothed belt according to any one of the preceding claims, characterized in that said resistant layer (8) comprises said fluorinated plastomer in an amount by weight of between 101 and 150 parts by weight with respect to said elastomeric material.
- 35 6. The toothed belt according to Claim 5, characterized in that said resistant layer (8) has a weight of between

- 12 -

50 and 80 g/m².

7. A process for fabrication of a toothed belt according to any one of Claims 1 to 6, characterized in that said
5 resistant layer (8) is applied directly on said fabric (5) via spreading.